

Notice of Allowability

Application No.

09/199,776

Examiner

Henry N. Tran

Applicant(s)

LEE, SANG-HAE

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Appeal Brief filed 10/17/05.
2. ☒ The allowed claim(s) is/are 2, 6-9 and 21-70; and are renumbered as 1-55.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Henry N. Tran

**HENRY N. TRAN
PRIMARY EXAMINER**

DETAILED ACTION

The Appeal Brief received October 17, 2005 has been fully considered; and this Office action is in response thereto.

1. Upon reconsideration of the claimed invention and the applicant's remarks in the Appeal Brief, the examiner has found that each of the method claims requires a specific combination of steps, and each of the apparatus claims requires a specific combination of elements and functions that none of the cited references, either alone or in combination, teaches or suggests such a combination as recited in each of the independent claims. Therefore, the rejections recited in the Final Office action mail 5/13/05 have been withdrawn.

Allowable Subject Matter

2. Claims 2, 6-9 and 21-70 are allowed; and are renumbered as 1-55.

3. The following is an examiner's statement of reasons for allowance:

The present invention is directed to an apparatus and methods of recognizing whether a display apparatus is newly connected to a main body of a computer. Each independent method claims 2, 6-9, 21, 26 and 31 identifies the uniquely distinct combination of the specific steps comprising: providing, detecting, connecting, operating, determining, and storing/ determining/ transmitting, wherein, the transmitting step is performed by a digital data communication (DDC) interface (110) for transmitting resolution data of a video display unit to a video card (140) coupled to the video display unit, see figure 3. Each independent apparatus claims 36 and 43 identifies the uniquely distinct combination of a computer system (100) and a video display unit (200); wherein, the computer system comprising a processing unit (120), a digital data

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communication (DDC) interface (110), and a video card (140) for performing specific functions including operating said DDC interface to read first data corresponding to said video display unit, and transmitting resolution data corresponding to said first data, see figure 1. The closest prior art, the Lien et al patent (U.S. Patent No. 5,386,567), the Hendry et al patent (U.S. Patent No. 5,682,529), the Nolan et al patent (U.S. Patent No. 6,049,316), and the Siefert patent (U.S. Patent No. 6,662,240) disclose conventional computer systems capable of hot insertion or reconfiguration, either singularly or in combination, fails to anticipate or render the above identified claimed limitations, which are in combination with other claimed limitations, obvious as specifically pointed out by the applicant in pages 16-20 of the Appeal Brief noted above; specifically, the video BIOS, VESA BIOS extensions (VBE) 46 shown in Figure 5 of Nolan et al. '316 does not correspond to the digital data communications (DDC) interface recited in each of the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

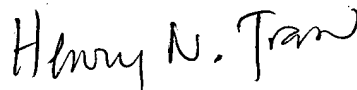
4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. They are U.S. Patents Nos.: 6,263,387 to Chrabaszcz and 6,247,080 to Wallach et al, which teach apparatus and methods of hot add of a device in a computer system.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry N. Tran whose telephone number is 571-272-7760. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick N. Edouard can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Henry N Tran
Primary Examiner
Art Unit 2674

12/21/05
HT